

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Wilcox Oil Refinery Site Residential Removal - Removal Polrep
Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region VI

Subject: POLREP #2
Final
Wilcox Oil Refinery Site Residential Removal

Bristow, OK

To: Loree Boyanton, ODEQ
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From: Steve Mason, OSC

Date: 10/25/2017

Reporting Period: 9/27 - 10/11/17

1. Introduction

1.1 Background

Site Number:	06GG	Contract Number:	
D.O. Number:		Action Memo Date:	
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Assessment
NPL Status:	NPL	Operable Unit:	
Mobilization Date:	7/6/2017	Start Date:	7/6/2017
Demob Date:	10/11/2017	Completion Date:	10/11/2017
CERCLIS ID:	OK0001011917	RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Time-Critical

1.1.2 Site Description

Wilcox Oil Company is an inactive and abandoned oil refinery located in Bristow, Creek County, Oklahoma. The site consists of contaminated areas and surface water bodies due to releases from the former Wilcox and Lorraine Refineries. Wilcox Oil Company operated as a crude oil refinery from the 1920s until 1963. The main components of the facility consisted of a skimming plant, cracking unit, storage tanks and treatment equipment. Currently, several residents are located within the former refinery boundaries, half of which utilize ground water from private wells. Homes are located in areas of former waste operations.

1.1.2.1 Location

The Wilcox Refinery Site is located northeast of the City of Bristow, Creek County, Oklahoma, at West 221st Street/Refinery Road, just east of U.S. Highway 66 (35.840804N, 96.380193W)

1.1.2.2 Description of Threat

In 2014, community members expressed concerns about public access to oily sludge areas. The results of an expanded Site Inspection (ESI) by ODEQ in 2011 indicated high concentrations of Polycyclic Aromatic Hydrocarbons (PAHs) in oily sludge waste at numerous locations on site, including the (b) (6) residential property at (b) (6).

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

The site was included on the EPA National Priorities List (NPL) in December, 2013. In addition, oily sludge leaching from the ground was observed during a site assessment conducted by an EPA OSC in March, 2014. From May 22 to June 04, EPA conducted soil sampling (Phase 2) at several residences on the site. A review of sampling analytical results indicated benzo(a)pyrene is present at the residence in the soil above the EPA Removal Management Levels. In addition, during the sampling, visible oily sludge was observed in the samples, as well as small amounts on the ground surface.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

On July 6, 2017, EPA along with ODEQ met with (b) (6) and conducted a site walk of the area around their residence. Hydrocarbon sludge was observed at or near the surface during the site walk. A general area of contamination was noted, including evidence of areas where oily liquid has surfaced and a small hole in the ground where oily liquid has surfaced recently. A brief discussion was held with (b) (6) regarding the potential of a Removal Action at the Site.

2.1.2 Response Actions to Date

On 27 September 2017 EPA, ODEQ, START and ERRS mobilized to the site to conduct a time critical

removal action. Removal activities included the excavation of oily sludge and oily impacted soils, confirmation sampling, and site restoration. Approximately 1,350 tons of oily sludge and oily impacted soils were excavated and transported off-site to American Environmental Landfill, Inc. located in Sand Springs, Oklahoma. Upon receipt of confirmation sample analytical data documenting benzo(a)pyrene results were below the EPA Region 6 Residential Screening Levels, the excavation was backfilled and the property was restored to pre-removal conditions, with a final walkthrough with the resident and the State of Oklahoma conducted on October 11, 2017.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

Enforcement has determined there are no viable PRPs at this time.

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>

2.2 Planning Section

2.2.1 Anticipated Activities

Maps delineating the area of contamination have been developed and can be found in the Documents Section, <https://response.epa.gov/sites/12277/files/0713171257%20FIGURE%202.pdf>

2.2.1.1 Planned Response Activities

No additional response activities are planned at this time.

2.2.1.2 Next Steps

2.2.2 Issues

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

2.4.1 Narrative

No information available at this time.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$370,000.00	\$156,000.00	\$214,000.00	57.84%
TAT/START	\$70,000.00	\$45,000.00	\$25,000.00	35.71%
Intramural Costs				
USEPA - Direct	\$40,000.00	\$0.00	\$40,000.00	100.00%
Total Site Costs				
	\$480,000.00	\$201,000.00	\$279,000.00	58.13%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Other Command Staff

2.5.1 Safety Officer

No information available at this time.

2.5.2 Liaison Officer

2.5.3 Information Officer

3. Participating Entities

3.1 Unified Command

No information available at this time.

3.2 Cooperating Agencies

4. Personnel On Site

1 - EPA OSC

1 START Personnel

- 1 - ODEQ Personnel
- 5 - ERRS Personnel

5. Definition of Terms

No information available at this time.

6. Additional sources of information

6.1 Internet location of additional information/report

No information available at this time.

6.2 Reporting Schedule

7. Situational Reference Materials

No information available at this time.